

Title (en)

ACTIVE OPACITY CONTROLLABLE THIN FILMS FOR WINDSHIELDS

Title (de)

DÜNNSCHICHTEN MIT AKTIV STEUERBARER OPAZITÄT FÜR WINDSCHUTZSCHEIBEN

Title (fr)

FILMS MINCES À OPACITÉ CONTRÔLABLE ACTIVE POUR PARE-BRISE

Publication

EP 3862202 B1 20240410 (EN)

Application

EP 20155595 A 20200205

Priority

EP 20155595 A 20200205

Abstract (en)

[origin: EP3862202A1] The invention is concerned with a sun glare protection device (2), which is adapted to be installable on the windscreen of a vehicle (1) from the inside, said device comprising an electrically activatable thin film (3), which covers at least the 80% of the surface of the device and which on electrical activation changes its opacity or translucency, and a light sensor (4) attached to the device, which is capable to detect the intensity of light in an estimated position of the driver's eyes. The inventive device allows a dynamic control of the translucency and opacity thereof, thereby being able to adjust the tint of the device depending on the position of the sun relative to the field of vision of the driver. The invention is further concerned with methods for the production of corresponding devices, vehicles equipped with such devices and uses associated with such devices.

IPC 8 full level

B60J 3/04 (2006.01)

CPC (source: EP)

B60J 3/04 (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3862202 A1 20210811; EP 3862202 B1 20240410

DOCDB simple family (application)

EP 20155595 A 20200205